

BEGONIA NOMENCLATURE NOTES, 3

Begonia lobata Schott and
Begonia glandulosa nomen confusum

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The Species of the Begoniaceae, edition 2, 1974, by Fred A. Barkley and Jack Golding is a compendium of the published names and the published synonymy for the species and therefore continues the errors from the literature. I have been reviewing the literature to verify or correct the citations and their synonymy. My determinations will be published in this series, "*Begonia* Nomenclature Notes."

Begonia lobata Schott

The synonymy listed in *The Species of the Begoniaceae* (ed. 2. 70. 1974) for *Begonia lobata* Schott should not include *Begonia cuspidata* C. DC., *Begonia glandulosa* A. DC., *Begonia multinervia* Liebmann, *Begonia nigrovenia* Regel, *Gireoudia multinervia* Klotzsch, and *Wageneria glandulosa* Klotzsch.

Index Kewensis 285. 1895, showed *Begonia lobata* Schott = *Begonia multinervia* Liebmann. This combination apparently originated from the listing by Wm. B. Hemsley (*Biologia centrali-americana, Botany* 1: 498. 1880), which gave *Begonia lobata* Schott as a synonym of *Begonia multinervia* Liebmann.

I have studied the original citation for *Begonia lobata* Schott (in Sprengel, *Systema vegetabilium* ed. 16. 4(app.): 408. 1827), and the original citation for *Begonia multinervia* Liebmann (*Videnskabelige meddeleser fra den naturhistoriske forening i Kjöbenhavn* 1852: 18. 1853). From a comparison of these descriptions and the examination of the photographs of the holotype specimen of *Begonia multinervia* Liebmann collected in Costa Rica by Oersted (Field Museum of Natural History Photo No. 21705) and the specimen of *Begonia lobata* Schott collected by Sellow in Brazil (FMNH Photo No. 20815), it is obvious that they are separate species.

Begonia glandulosa Hooker

Begonia glandulosa Hooker (Bot. Mag. 87: pl. 5256. 1861), is a confused name. The plant illustrated and described apparently was the plant received from Linden under the name *Begonia nigrovenia*. But Hooker stated that this plant from Linden was identical to the one in their herbarium called *Begonia glandulosa* by A. De Candolle.

This cannot be correct, because Hooker described and illustrated a rhizomatous plant, with an unequally branched elongated inflorescence and with four pistillate tepals. While the plant labeled *Begonia glandulosa* by A. DC. is a shrubby erect plant, with an evenly branched broad inflorescence and with two pistillate tepals.

Hooker also stated (correctly) that the specimen of A. DC. which was collected by Seemann in Veraguas (Panama) agreed with Liebmann's description of *Begonia multinervia* Liebmann (Kjoeb. Vidensk. Meddel. 1852: 18. 1853) from Costa Rica.

Begonia nigrovenia was described by Regel and illustrated in *Gartenflora* 16: 163-4 and pl. 546. 1867. Regel's plant came from the garden of Thibaut and Keteler in Paris. His description and the one of Linden's plant are basically the same, except Regel noted that the pistillate flowers had five tepals instead of the four that are typical for the section *Gireoudia*. I have seen similar variation in the number of tepals in other species in cultivation.

Drs. Smith and Schubert (Fieldiana, Botany 24(1): 178. 1861) noted that the plant illustrated as pl. 5256 was *Begonia pinetorum*. This is also evident by comparing it to the photograph (FMNH No. 24201) of the type of *Begonia pinetorum* collected by Linden in Mexico in 1840.

Hooker's description, excluding the reference to *Begonia glandulosa* sensu A. DC. and *Begonia multinervia* Liebmann, also agrees with the description of *Begonia pinetorum* A. DC. (Ann. Sc. Nat. IV. 11: 131. 1859 and A. DC. Prodrum 15(1): 326. 1864) which is the correct name for this species.

Begonia glandulosa sensu A. DC. non Hooker

The specimen in the hooker herbarium labeled *Begonia glandulosa* A. DC. is described in *Prodromus* 15(1): 339. 1864. This is also a confused name because A. DC. cites as a synonym, Hooker's illustration in *Botanical Magazine* pl. 5256. 1861. It is strange that he included this citation; perhaps he did not see the illustration or study Hooker's description.

Excluding these references to *Begonia glandulosa* Hooker and *Begonia nigrovenia* hort. Linden, the species described by A. DC. is the same as the older *Begonia multinervia* Liebmann (Kjoeb. Vidensk. Meddel. 1852: 18. 1853) as noted by Hooker and by Standley (Field Mus. Nat. Hist. Bot. 18: 744. 1937). This is confirmed by the comparison of the specimen for *Begonia glandulosa* sensu A. DC. non Hooker, collected by Hoffman in Costa Rica (FMNH Photo No. 20876) and the holotype specimen of *Begonia multinervia* Liebmann (FMNH Photo No. 21705). The correct name for this species is *Begonia multinervia* Liebmann.

CORRECTED CITATIONS

The following entries on the pages noted in *The Species of the Begoniaceae* ed. 2, 1974, should be corrected:

Page 27

Begonia cuspidata C. DC. Bull. Soc. Bot. Belg. 35: 260. 1896. Gireoudia. Costa Rica.
= *Begonia multinervia* Liebmann. [Standley, Field Mus. Nat. Hist. Botany 18: 744. 1937.]

Page 38

Ewaldia ferruginea Klotsch, Begoniaceen 53. 1855.
Ewaldia. Brazil.
= *Begonia lobata* Schott [A. DC. Prodr. 15(1): 372. 1864.]

Page 43

- Begonia galeottii* hort. Berol. ex Klotzsch, Begoniaceen
54. 1855, pro syn. Ewaldia. Brazil.
= *Begonia lobata* Schott. [A. DC. Prodr. 15(1):
372. 1864.]

Page 46

- Begonia glandulosa* Hooker, Bot. Mag. 87: pl. 5256
1861, nomen confusum. Gireoudia. Mexico.
= *Begonia pinetorum* A. DC. [Smith & Schubert,
Fieldiana, Bot. 24(1): 178. 1961.]
- Begonia glandulosa* sensu A. DC. Prodr. 15(1): 399.
1864, non Hooker 1861, nomen confusum.
Gireoudia. Costa Rica, Panama.
= *Begonia multinervia* Liebmann. [Standley,
Field Mus. Nat. Hist. Bot. 18: 744. 1937.]
- Begonia glandulosa* sensu J. D. Smith, Enum. Pl. Guat.
4: 182. 1895, non Hooker 1861, nec A. DC. 1864.
Gireoudia. Guatemala.
= *Begonia plebeja* Liebmann. [Smith & Schubert,
Fieldiana Bot. 24 (1): 178. 1961]

- Wageneria glandulosa* Klotzsch, herb. Berol. ex A. DC.
Prodr. 15(1): 389. 1864, pro syn.
= *Begonia multinervia* Liebmann. [Via *Begonia*
glandulosa sensu A. DC. Prodr. 15(1): 339. 1864.]

Page 53

- Begonia hernandiifolia* Seemann, Bot. Voy. Herald 4:
128. 1854, nomen nudum.
= *Begonia multinervia* Liebmann. [Via *Begonia*
glandulosa sensu A. DC. non Hooker, A. DC. Prodr.
15(1): 339. 1865.]

Page 70

- Begonia lobata* Schott in Sprengel, Syst. Veg. ed. 16.
4 (app.): 408. 1827. Ewaldia. Brazil.
[A. DC. Prodr. 15(1): 372. 1864.]

Ewaldia ferruginea Klotzsch 1855.

Ewaldia lobata Klotzsch 1855.

Begonia galeottii hort. Berol. ex Klotzsch
1855.

Begonia velutina hort. Vind. ex Klotzsch
1855, pro syn, non hort. Berol.

Begonia vernicosa hort. Berol. ex Klotzsch
1855.

Ewaldia lobata Klotzsch, Begoniaceen 54. 1855.

Schott, *Ewaldia*. Brazil.

= *Begonia lobata* Schott. [A. DC. Prodr. 15
(1): 372. 1864.]

Page 82

Begonia multinervia Liebmann, Kjoeb. Vidensk. Meddel.
1852: 18. 1853. Gireoudia. Costa Rica.

Begonia hernandiifolia Seeman. 1854.
nomen nudum.

Gireoudia multinervia Klotzsch, Monatsb.
Berl. Acad. 125. 1854.

Begonia glandulosa sensu A. DC. non
Hooker, 1864. nomen confusum.

Wagneria glandulosa Klotzsch, herb. Berol.
ex A. DC. 1864.

Begonia cuspidata C. DC. 1896.

Page 85

Begonia nigrovenia hort. Linden ex Hooker, Bot. Mag.
87: pl. 5256. 1861. pro syn. Gireoudia.

= *Begonia pinetorum* A. DC.

Begonia nigrovenia Regel, Gartenfl. 16: 163. pl. 546.
1867. = *Begonia pinetorum* A. DC.

Page 97

Begonia pinetorum A. DC. Ann. Sc. Nat. IV. 11: 131.
1859. Gireoudia. Mexico.

Begonia glandulosa Hooker, 1861. nomen
confusum.

Begonia nigrovenia hort. Linden ex Hooker,
pro syn. 1861.

Begonia nigrovenia Regel. 1867.
Begonia tuerckheimii C. DC. 1895.

Page 133

Begonia tuerckheimii C. DC. in J. D. Smith, Bot. Gaz.
20: 542. 1895. Gireoudia. Guatemala.
= *Begonia pinetorum* A. DC. [Smith & Schubert,
Fieldiana Bot. 24 (1): 178. 1961.]

Page 137

Begonia velutina hort. Vindob. ex Klotzsch, Begonia-
ceen 54. 1855, pro syn, non hort. Berol.
= *Begonia lobata* Schott. [A. DC. Prodr. 15(1):
372. 1864.]

Begonia vermicosa hort. Berol. ex Klotzsch, Begonia-
ceen 40, 54. 1855, pro syn.
= *Begonia lobata* Schott. [Via *Ewaldia ferruginea* L.
Klotzsch; A. DC. Prodr. 15(1): 372. 1864.]

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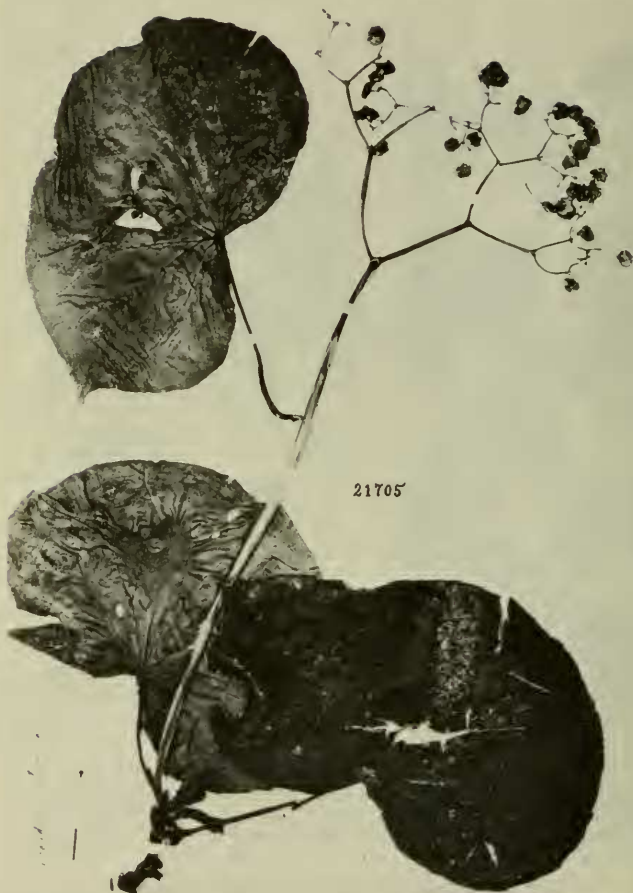
20815



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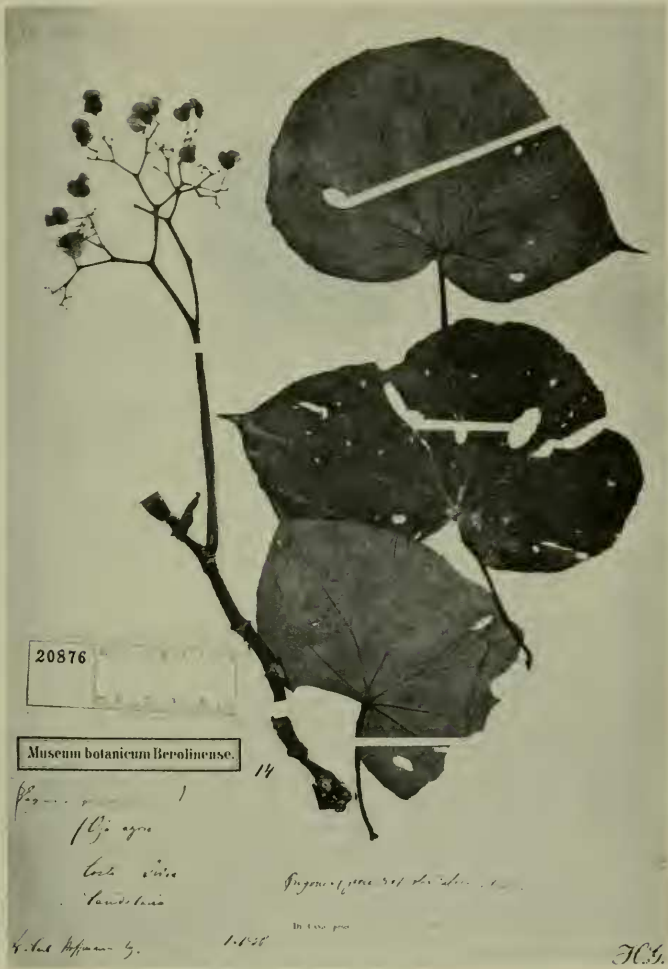
No. 20815 *Begonia lobata* Schott
Brazil Sellow ex Berlin



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Photographs of neotropical types and authentic specimens.

No. 21705 *Begonia multinervia* Liebmann
Costa Rica Oersted ex Copenhagen



FIELD MUSEUM OF NATURAL HISTORY

Photographs of neotropical types and authentic specimens.

No. 20876 *Begonia glandulosa* sensu A. DC.
Costa Rica Hoffman ex Berlin



FIELD MUSEUM OF NATURAL HISTORY

Photographs of neotropical types and authentic specimens.

No. 24201 *Begonia pinetorum* A. DC.
Mexico Linden 1840 ex Delessert Herb.